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CLAIMS:

1. A road-marking system for influencing the distance between vehicles (6, 6', ...) traveling over a roadway (10), comprising:
 - a plurality of road-marking units (3; 3', 3", ...; 4, 4', ...),
 - the road-marking units (3; 3', 3", ...; 4, 4', ...) being provided with light
 - 5 means for emitting or reflecting light in the direction of a driver of the vehicle (6, 6', ...),
 - a set of the road-marking units (4, 4', ...), of which in operation a part is in an active state while the remainder of the road-marking units (3; 3', 3", ...) is in an inactive state,
 - the distance between the active road-marking units (4, 4', ...) in the set being
 - 10 indicative of the desired distance between the vehicles (6, 6', ...).
2. A road-marking system as claimed in claim 1, characterized in that the set of active road-marking units (4, 4', ...) is in the active state intermittently.
- 15 3. A road-marking system as claimed in claim 1 or 2, characterized in that the light emitted or reflected by the set of active road-marking units (4, 4', ...) is tuned in response to conditions during the day or during the night.
4. A road-marking system as claimed in claim 1 or 2, characterized in that the
- 20 road-marking units (3; 3', 3", ...; 4, 4', ...) are shaped as chevrons.
5. A road-marking system as claimed in claim 1 or 2, characterized in that the light means for emitting light comprises a light-emitting diode.
- 25 6. A road-marking system as claimed in Claim 1 or 2, characterized in that the light means for emitting light is formed by an end portion of an optical fiber.
7. A road-marking system as claimed in Claim 1 or 2, characterized in that the light means for reflecting light comprises a reflective electrophoretic display device.

8. A road-marking system as claimed in claim 1 or 2, characterized in that the road-marking units (3; 3', 3", ...; 4, 4', ...) are provided in the surface of the roadway.
- 5 9. A road-marking system as claimed in claim 1 or 2, characterized in that the road-marking units (3; 3', 3", ...; 4, 4', ...) are provided on one side or on either side of the roadway (10).